

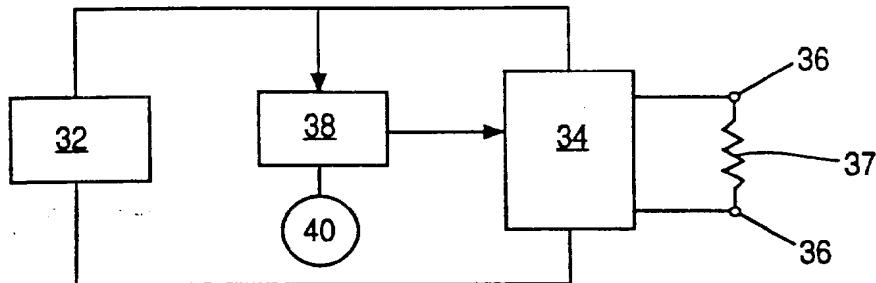
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(54) Title: ELECTROTHERAPY METHOD AND APPARATUS



(57) Abstract

A method and apparatus for delivering a multiphasic waveform to a patient. The preferred method comprises the steps of charging an energy source to an initial level; discharging the energy source across electrodes to deliver energy in a multiphasic waveform; monitoring a patient-dependent electrical parameter during the discharging step; shaping the relative duration of the phases of the multiphasic waveform based on a value of the monitored parameter. The preferred apparatus comprises an energy source (32); two electrodes (36); a connecting mechanism (34) forming an electrical circuit with the energy source, and the electrodes when the electrodes are attached to a patient; and a controller (38) operating the connecting mechanism to deliver a multiphasic waveform, the relative phase durations of which are based on an electrical parameter monitored during delivery of the energy. The preferred defibrillator weighs less than 4 pounds and has a volume less than 150 cu.in.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : A61N 1/39

US CL : 607/005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 607/002, 004, 005-008, 036, 062, 074

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, A, 3,860,009, (BELL ET AL.), 14 January 1975. See entire document.	13, 14
X, P	US, A, 5,372,606, (LANG ET AL.), 13 December 1994. See entire document.	15, 16
Y	US, A, 4,473,078, (ANGEL), 25 September 1984. See column 3, lines 37-54.	33
Y	US, A, 5,230,336, (FAIN ET AL.), 27 July 1993. See entire document.	33

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